

PANEL CP-75N 240/120 V, 1Ø 3WIRE 100 AMP MAINS, 100A MCB, GND BUS MINIMUM INTERRUPTING RATING 22KA									
SERVICE	TRIP	CKT	100	100	CKT	TRIP	SERVICE	TRIP	CKT
DP'S LINE UP 1, 3, CR-11 & L-5	15	1			2	15	DP'S LINE UP 2 & 4	15	2
FUTURE (SUPERV. COMPUT. OUTLET)	15	3			4	15	SPARE	15	4
SPARE	15	5			6	15	SPARE	15	6
N1, T1-3, BUS 1	60	7			8	60	N2, T1-2, BUS 2	60	8
SWITCHGEAR SECTIONS							SWITCHGEAR SECTIONS		
N3, T3-4, BUS 3	60	9			10	60	N4, T2-4, BUS 4	60	10
SWITCHGEAR SECTIONS							SWITCHGEAR SECTIONS		
G & T HOUSING	30	11			12	60	BUS EL SWITCHGEAR SECTION	30	12
HV-B1	30	13			14	30	HV-B2	30	14
SWITCHGEAR SECTION							SWITCHGEAR SECTION		
HV-B3	30	15			16	30	HV-B4	30	16
SWITCHGEAR SECTION							SWITCHGEAR SECTION		
SPARE	60	17			18	60	SPARE	60	18
SPARE	30	19			20	30	SPARE	30	20
SPARE	30	21			22	30	SPARE	30	22
SPARE	30	23			24	30	SPARE	30	24

PANEL LV-75N 208/120 V, 3Ø 4WIRE 225 AMP MAINS, 125A MCB, GND BUS									
KVA	SERVICE	TRIP	CKT	225	225	CKT	TRIP	SERVICE	KVA
.8	SUB#75N-RECEPTS	15	1			2	15	SUB#75N-RECEPTS	.8
.8	SS-75N SECT 1 SP HTS	20	3			4	15	A/C UNITS RM. RECEPT.	.8
1.0	SS-75N SECT 2 SP HTS	20	5			6	15	A/C UNITS INTERIOR LGT	1.2
.8	SS-75N SECT 3 SP HTS	20	7			8	15	SPARE	
.8	SS-75N SECT 4 SP HTS	20	9			10	15	SPARE	
	SPARE	15	11			12	15	SPARE	
	SPARE	15	13			14	15	SPARE	
	SPARE	15	15			16	15	SPARE	
	SPARE	20	17			18	20	SPARE	
	SPARE	20	19			20	20	SPARE	
	SPACE							SPACE	

PANEL DP-75N 480/277 V, 3Ø 4WIRE 800AMP MAINS, GND BUS 65,000 A.I.C									
KVA	SERVICE	TRIP	CKT		CKT	TRIP	SERVICE	KVA	
1.80	SUBSTA SS-75N LTG	20	1		2	20	SPARE		
1.80	SUBSTA SS-75S LTG	20	3		4	20	SPARE		
	SPARE	20	5		6	20	76th FL LIGHTING	.90	
	SPARE	70	7		8	15	FP-75-1-1 FEEDER	4.0	
30	SUBSTATION SS-75N 30KVA TRANSFORMER PRIMARY FEEDER	45	9		10	200	FEEDER TO EXIST. PANEL LP-75N		
6.3	E-75-21 FEEDER	20	11		12	35	ACS-75N FEEDER	11.6	
	SPARE	30	13		14	400	ACS-75-1 FEEDER	129.4	
	SPACE						SPACE		

SUBSTATION SS-75N

PANEL CP-75S 240/120 V, 1Ø 3WIRE 100 AMP MAINS, 100A MCB, GND BUS MINIMUM INTERRUPTING RATING 22KA									
SERVICE	TRIP	CKT	100	100	CKT	TRIP	SERVICE	TRIP	CKT
DP'S LINE UP 1, 3, CR-11 & L-5	15	1			2	15	DP'S LINE UP 2 & 4	15	2
FUTURE (SUPERV. COMPUT. OUTLET)	15	3			4	15	SPARE	15	4
SPARE	15	5			6	15	SPARE	15	6
N1, T1-3, BUS 1	60	7			8	60	N2, T1-2, BUS 2	60	8
SWITCHGEAR SECTIONS							SWITCHGEAR SECTIONS		
N3, T3-4, BUS 3	60	9			10	60	N4, T2-4, BUS 4	60	10
SWITCHGEAR SECTIONS							SWITCHGEAR SECTIONS		
G & T HOUSING	30	11			12	60	BUS EL SWITCHGEAR SECTION	30	12
HV-B1	30	13			14	30	HV-B2	30	14
SWITCHGEAR SECTION							SWITCHGEAR SECTION		
HV-B3	30	15			16	30	HV-B4	30	16
SWITCHGEAR SECTION							SWITCHGEAR SECTION		
SPARE	60	17			18	60	SPARE	60	18
SPARE	30	19			20	30	SPARE	30	20
SPARE	30	21			22	30	SPARE	30	22
SPARE	30	23			24	30	SPARE	30	24

PANEL LV-75S 208/120 V, 3Ø 4WIRE 225 AMP MAINS, 125A MCB, GND BUS									
KVA	SERVICE	TRIP	CKT	225	225	CKT	TRIP	SERVICE	KVA
.8	SUB#75S-RECEPTS	15	1			2	15	SUB#75S-RECEPTS	.8
.8	SS-75S SECT 1 SP HTS	20	3			4	15	A/C UNITS RM. RECEPT.	.8
1.0	SS-75S SECT 2 SP HTS	20	5			6	15	A/C UNITS INTERIOR LGT	1.2
.8	SS-75S SECT 3 SP HTS	20	7			8	15	SPARE	
.8	SS-75S SECT 4 SP HTS	20	9			10	15	SPARE	
	SPARE	15	11			12	15	SPARE	
	SPARE	15	13			14	15	SPARE	
	SPARE	15	15			16	15	SPARE	
	SPARE	20	17			18	20	SPARE	
	SPARE	20	19			20	20	SPARE	
	SPACE							SPACE	

PANEL DP-75S 480/277 V, 3Ø 4WIRE 800AMP MAINS, GND BUS 65,000 A.I.C									
KVA	SERVICE	TRIP	CKT		CKT	TRIP	SERVICE	KVA	
1.80	SUBSTA SS-75S LTG	20	1		2	20	SPARE		
1.80	SUBSTA SS-75N LTG	20	3		4	20	SPARE		
	SPARE	20	5		6	20	76th FL LIGHTING	.90	
	SPARE	70	7		8	15	FP-75-1-2 FEEDER	4.0	
30	SUBSTATION SS-75S 30KVA TRANSFORMER PRIMARY FEEDER	45	9		10	200	FEEDER TO EXIST. PANEL LP-75S		
6.3	E-75-22 FEEDER	20	11		12	35	ACS-75S FEEDER	11.6	
	SPARE	30	13		14	450	ACS-75-3 FEEDER	149.4	
	SPACE						SPACE		

SUBSTATION SS-75S

NOTE

- 1 - FOR LEGEND SEE DRAWING #E-1.
- 2 - FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.

PANEL E-75A 208/120 V, 3Ø, 4WIRE 400A MAINS, GND BUS									
KVA	SERVICE	TRIP	CKT	400	400	CKT	TRIP	SERVICE	KVA
	SPARE	20	1			2	20	SPARE	
	CONTROL POWER-UPS, SUBSTATION SS-75S	110	3			4	110	CONTROL POWER-UPS, SUBSTATION SS-75N	
	PANEL AT SETBACK DOOR - SE CORNER	200	5			6	200	PANEL AT SETBACK DOOR - NW CORNER	
	CONTROL POWER-UPS-SS-75N&S (TR#UPS-75A)	100	7					SPACE	
	SPACE								

75th FL. EMERG. TRANSF. RM.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS, CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 6/11/95 *Samir A. Aalam* SPEC. WRITER
DATE 8/15/95 *Edna K. Sweney* ENGINEER OF DESIGN



THE PORT AUTHORITY
OF NY & NJ

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ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
Edna K. Sweney
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Divisions

The World Trade
Center
Electrical/HVAC
Upgrade Program

TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION

ELECTRICAL
PANEL SCHEDULES
TOWER ONE
SS-75N & SS-75S

No. Date Revision Approved

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

ROYZMAN
FISCHER
Designed by Drawn by Checked by

Date 5-1-95 Scale NONE

Contract Number Drawing Number
WTC 802.071 E-101